TRI
dental implants

TRI® Dental Implants
TRI® CAD-CAM Solution
January 2013

Through Research Innovative
www.tri-implants.com

TRI®- CAD-CAM

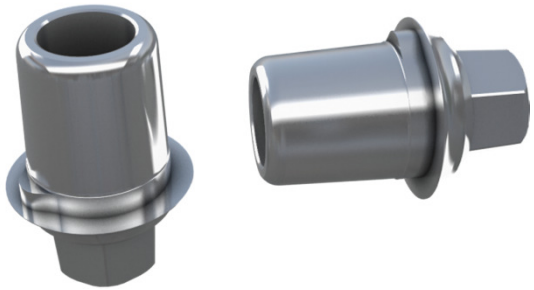
For customized two-piece abutments

Titanium bonding-base with TRI-Friction for two-piece abutments.

Available in two cuff-heights:

TV70-07-F
Titanium Bonding Base,
4,5mmD, 0,7mm Cuff
incl. RS-TV10

TV70-20-F
Titanium Bonding Base,
4,5mmD, 2mm Cuff
incl. RS-TV10



The TRI®-titanium bonding base is intermediate parts, which has on the implant side the TRI®–Vent interface and on the abutment side a standardized connector.

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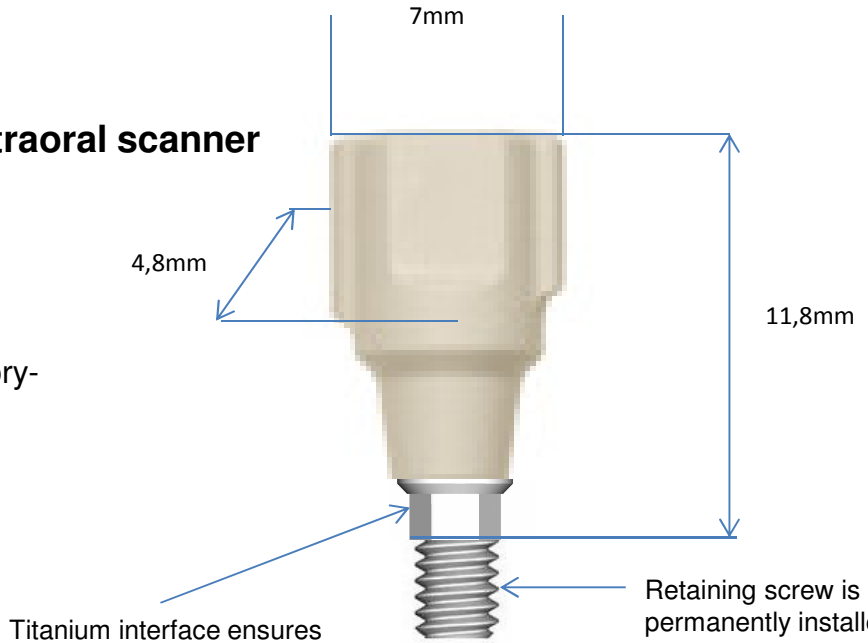
Scanbody with titanium interface for laboratory- and intra oral scanner.

TV70-SCAN
Scanbody for laboratory & intraoral scanner
incl. integrated retaining screw

Scanbody 3D-Guide made from
PEEK with titanium-interface
& integrated retaining screw.
The scanbody is suitable for laboratory-
and intraoral scanner.



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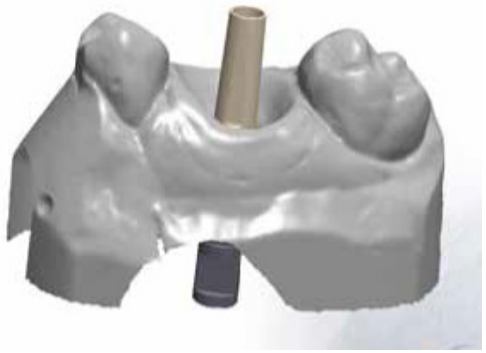
Software integration

- Thus the scanning body and the titanium bonding base can be seen, the data may be integrated in the used software. Then the position of the prosthetic platform can be clearly defined.
- Therefore, the CAD CAM partner of TRI® Dental Implants, the German company nt-trading, based in Karlsruhe/Germany has developed a software module (Add-On Module), which is able to integrate the data by remote maintanence into the customers software. The upload need approximately 5 minutes.
- After that, the STL files of the TRI®-Scanbody, bonding bases and the implant platforms are integrated in the customers database.
- Currently are 3 main systems compatible :
  - 3shape
  - Dental Wings
  - Exocad



Scan the implant position, without soft tissue mask.

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Usage without software integration

- If a customer is working with an CAD-system witch is not compatible, or he/she do not want to use a scan body, the titanium bonding base itself has to be screwed onto the working cast.
- After that the titanium bonding base itself, together with the working cast will be scanned (classical approach).
- To avoid reflections during the scan procedure the titanium bonding base hast to be prepared with an suitable spray

Working cast with titanium bonding base in the lab scanner.

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Instruction for use

1. Abutment and implant type is selected in the software!

Order Form: Abutment

Order Form : Implant

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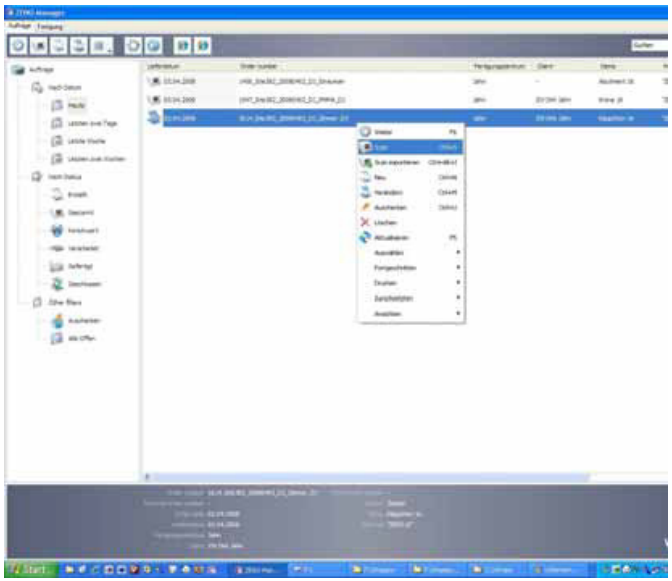
Instruction for use

2. Scanner is activated



Order Form: Scan

Scan with Implant

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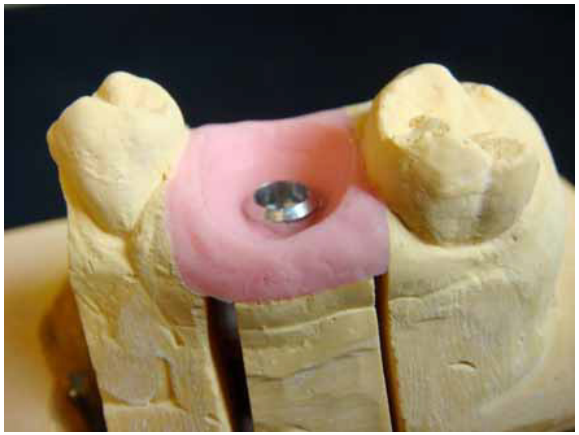
Instruction for use

3. Scanning

Posibility in the Laboratory:

The working cast with the laboratory analog is scanned in 2 phases.

Scan 1: with scanbody, without soft tissue mask.



Scan 2: ithout scanbody, with soft tissue mask.

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Instruction for use

3. Scan

Posibility in the dental office :

Scan directly in the patients mouth with an intraoral scanner!

1. Scan of the implant-position with scanbody

2.Scan: scan of the soft tissue

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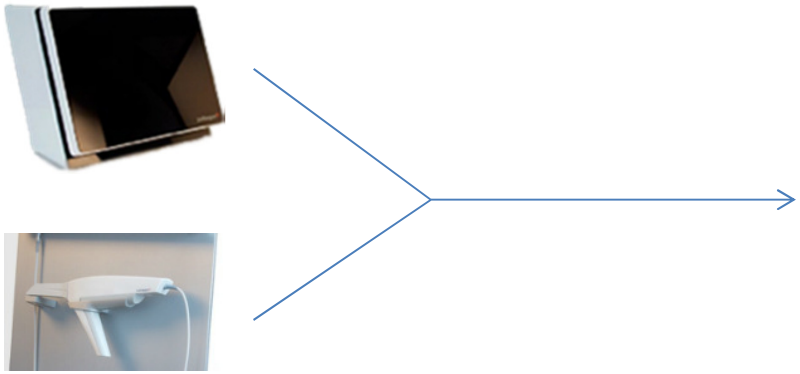
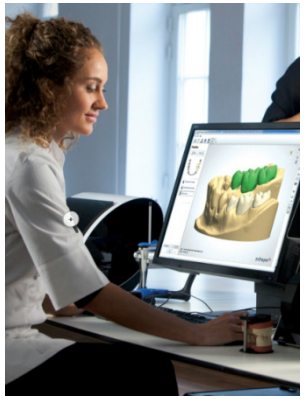
Instruction for use

4. : Datentransfer to the CAD-station



Scan data is transmitted to CAD station.



Design of the two-piece abutment.

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Instruction for use

5. : CAD (Computer Aided Design)

Scanbody: Digital recorded!

CAD software defined with this data,
the exact position of the implant platform axis.

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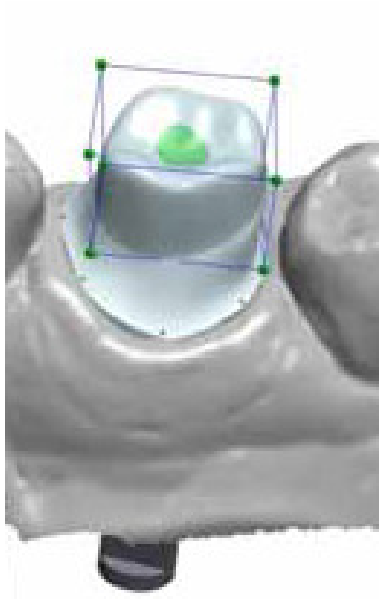
Instruction for use

4. : CAD (Computer Aided Design)

For a two-piece abutment the CAD software placed the titanium bonding base, according to the defined implant platform.



Virtual modeling of the customized coping, according to the gingiva with a defined screw channel.

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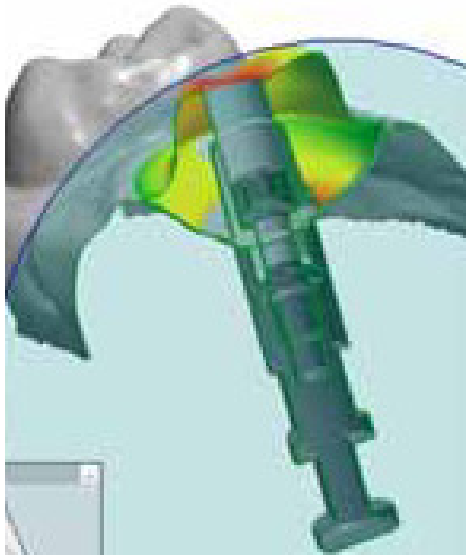
Instruction for use

4. : CAD (Computer Aided Design)



Digital design of individual coping, in cross-section!

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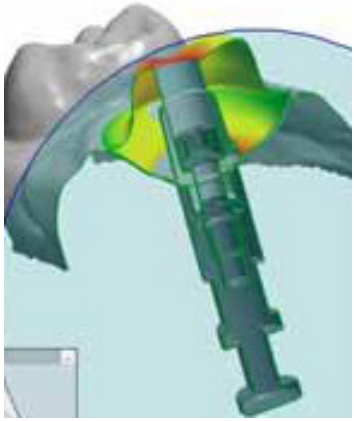
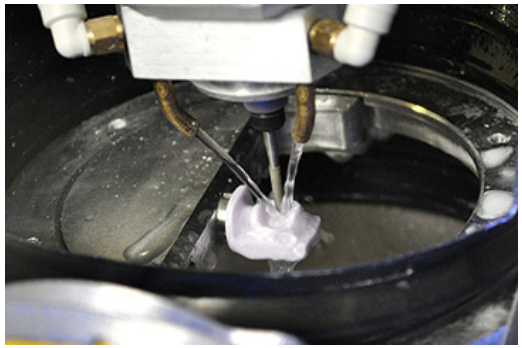
Instruction for use

5. : Data transfer to milling-machine and milling process (CAM).



Data transfer



Milling process of a coping

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Instruction for use

6. : Adhere the individual milled coping with the titanium bonding-base (TV70-07- F or TV70-20-F)

Individual milled coping

&

Prefabricated titanium bonding base

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Instruction for use

6. : Adhere the individual milled coping with the titanium bonding-base (TV70-07-F or TV70-20-F)

Applying a suitable attachment adhesive & subsequent joining both components to a two-part customized abutment.

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Product Catalogue, Page 7

TV70-07-F

Components for TRI® CADCAM Solution

CADCAM ABUTMENT – INCLUDES SCREW RS-TV10

Catalog Number		Ø	GH	Material	Qty
TV70-07-F	Titanium Bonding-Base with TRI®-Friction	4.5 mm	0.7 mm	Ti-6Al-4V	1
TV70-20-F	Titanium Bonding-Base with TRI®-Friction	4.5 mm	2 mm	Ti-6Al-4V	1
TV70-SCAN	Scanbody for Laboratory and Intraoral Scanner			PEEK	1
RS-TV10	Replacement Retaining Screw			Ti-6Al-4V	1
RS-TV10-Lab	Replacement Retaining Screw – Lab Use – Green			Ti-6Al-4V	1